



2

Profile, Decks & B' hds.

Smiths Dock Co.

837. 8. 9.

Mo. 30/11/27.

24 - 10 - 27.

837. Deepwater. *now Hamildoc* *

838. Clearwater. *now "W" Grenora*

839. Stillwater. *now Heymont*

bag



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Lloyd's Register
Foundation

004900- 004905- 0121

20-10-27

N^{os} 837.8 & 9.

PROFILE & DECK PLANS.

DIMENSIONS - 253'-0" x 43'-4" x 20'-6" MLD. DEPTH

Scale 1/4" = 10'.

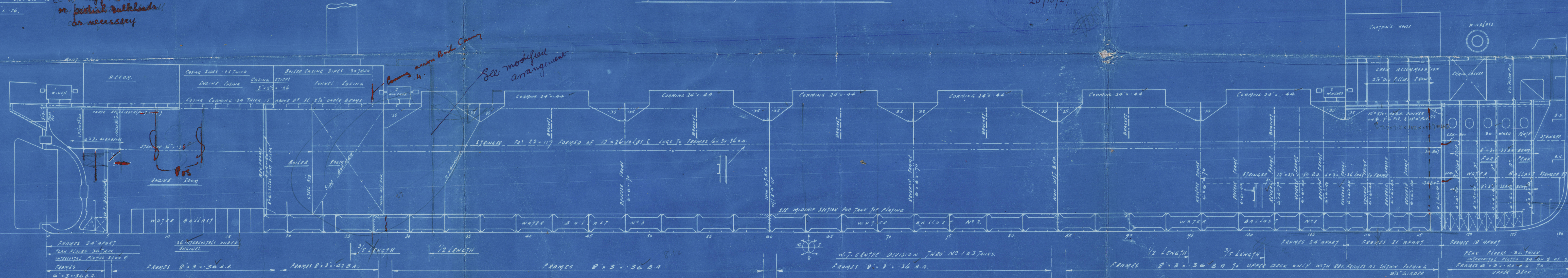
To Class B5* FOR SERVICE ON GREAT LAKES & GULF OF ST. LAWRENCE

To HAVE A DRAFT OF 16'-0" IN THE GULF.

NOTE DISCUSS

Side & End 15' thick
Top 15'
Side 15' thick
Bottom 15' x 15' x 26'

20' largest & deck
on partial bulkhead
as necessary



17'6" = 102
22' x 12 = 264
12 x 12 = 144

STEEL CUT FRAMES
& BEAMS 5'-3" x 30" O.A.

38' HULL
25' x 15' x 100'

20' x 12'

STEEL CUT FRAMES
& BEAMS 5'-3" x 30" O.A.

STEEL CUT FRAMES
& BEAMS 5'-3" x 30" O.A.

SMITH'S DOCK CO. LTD.
SHIPBUILDERS & ENGINEERS
SOUTH BEND ON TOS.

Non. W.T. STEEL BUNKER 20' x 28'

FRAMES 3'-3" x 34" SINGLE

BEAM 3'-3" x 36" SINGLE

W.T. 20' x 28' x 20'

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W.T. 20' x 28' x 20'

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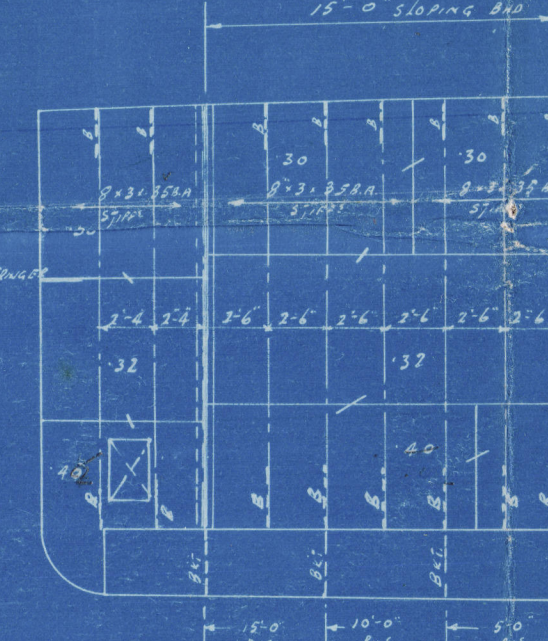
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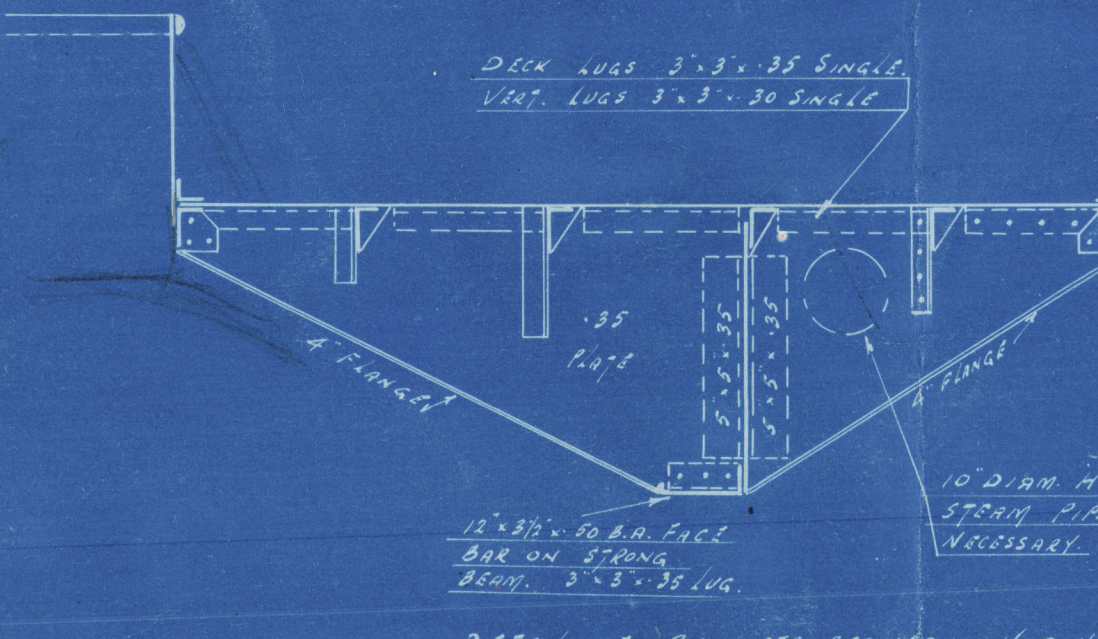
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W.T. 20' x 28' x 20'

See plan for Bulkhead
at Hatch Sides

17'6" = 102
22' x 12 = 264
12 x 12 = 144

NOTE - SCANTLING SEE N.B.3 SECTIONS FOR 8' 9" 10' 11' 12' ONLY

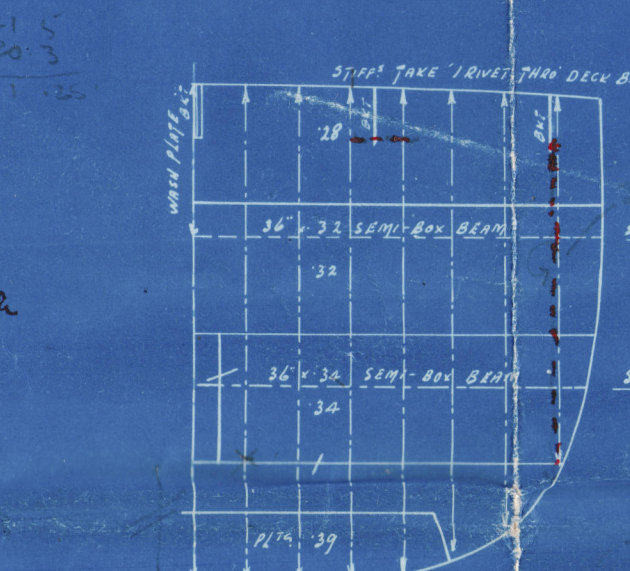
21 OCT 1927

21 OCT 1927

Approved

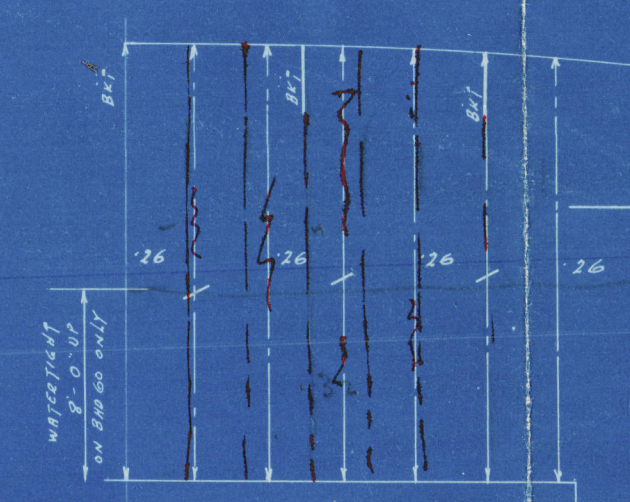
20' largest & deck
on partial bulkhead
as necessary

Construction of Interdeck
Frame C Tank Top
when no beam



STEEL CUT FRAMES
& BEAMS 5'-3" x 30" O.A.

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& BEAMS 5'-3" x 30" O.A.

Midship Section

Smith's Dock Co.

837. 8. 9.

Y.B. 30/11/27.

24 - 10 - 27.

837. Deepwater. *now Hamildoc* *

838. Clearwater. *now "W" Grenora*

839. Stillwater. *now Keybelt*



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The British Corporation
of Shipbuilding & Engineering
Limited

18/10
20.10.27

LAKE STEAMERS. MIDSHIP SECTION.

DIMENSIONS :- 253'-0" B.P. x 43'-4" EXT. x 20'-6" M⁴P

TO CLASS B S * FOR SERVICE ON GREAT LAKES & GULF OF ST LAWRENCE.

TO HAVE A DRAFT OF 16'-0" IN THE GULF.

SCALE 1/2" = 1 FOOT.

20' x 13' 1/2" x 20' 6" = 1679
37' 6" x 13' 1/2" x 20' 6" = 56
18' 0" x 30' 6" x 18' 0" = 47
1782

21 OCT 1927

APPROVED

20.10.27

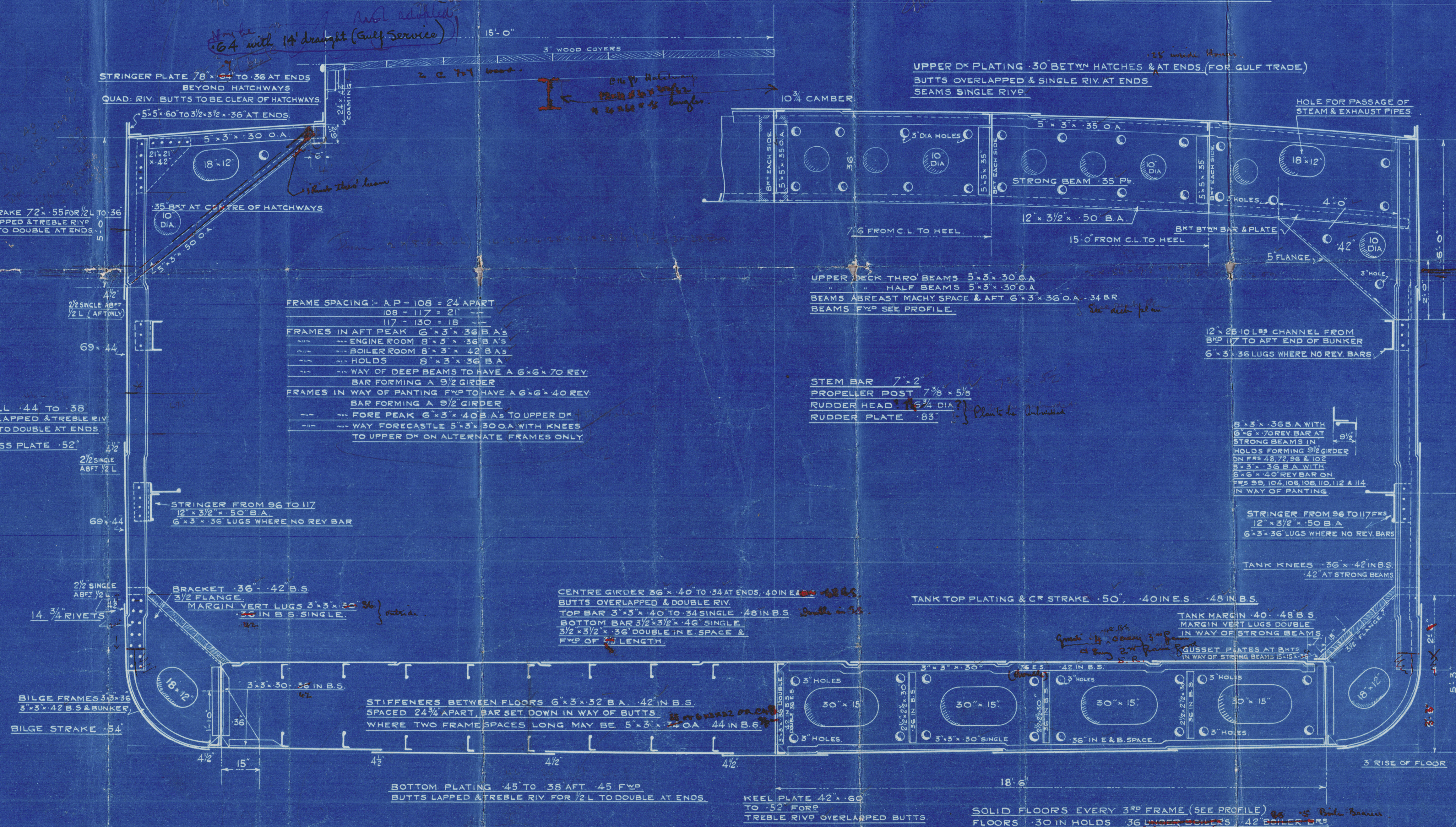
EQUIPMENT.

2 BOWER ANCHORS STOCKLESS EACH 36 CWT.
1 STREAM ANCHOR EX. STOCK 11 1/4
210 FTHS 1 1/8" STUD CHAIN CABLE.
75 --- 3 1/2" STEEL STREAM WIRE.
105 --- 3 1/2" --- WIRE TOWLINE.
2-90 --- 6 1/2" HAWSERS
2-90 --- 5" ---

FORECASTLE.

BEAMS 8" x 3" 35 B.A. ON ALT FRS
DECK PLATING .30
SIDE PLATING .32
BEAM KNEES 21" x 40" 5 3/4 RVS
SEE PROFILE FOR BEAMS AT ENDS.

See deck Plans.



3

Rudder & Sternframe.

Smiths Dock Co.

837. 8-9.

26-10-27.

HAMILTON *

837. Deepwater, new Hamilton

838. Clearwater, new "Grenora"

839. Stillwater, new Dieymont

log



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004900-004905-0122

SHIP N^{OS} 837-8-9

STERN AND RUDDER FRAMES.

SCALE $\frac{1}{2}" = 1 \text{ FT.}$

OF FORGED STEEL TO PASS BRITISH CORPORATION TESTS.

TO CLASS B.S. * FOR SERVICE ON THE GREAT LAKES AND GULF OF ST. LAWRENCE

AREA ABAFT $\frac{1}{2}$ OF STOCK = 75.08 $\frac{1}{2}$ AREA FWD $\frac{1}{2}$ OF STOCK = 21.73 $\frac{1}{2}$ SPEED 9 KNOTS.

C.G. ABAFT $\frac{1}{2}$ OF STOCK = 1.99 FT. C.G. ABOVE BASE LINE 7.61 FT.

16'-6" Draught.

NOTE :-

ALL MACHINING & DRILLING TO BE DONE BY MAKERS
FRAME NOT TO BE PAINTED BUT HAVE ONE COAT OF OIL.
CENTRE LINE OF BEARING GUDGEON, BOTTOM GUDGEON &
MAIN PIECE TO BE IN A STRAIGHT LINE & SQUARE TO BASE LINE
WEIGHT OF FRAME TO BE PAINTED ON BEFORE DISPATCH

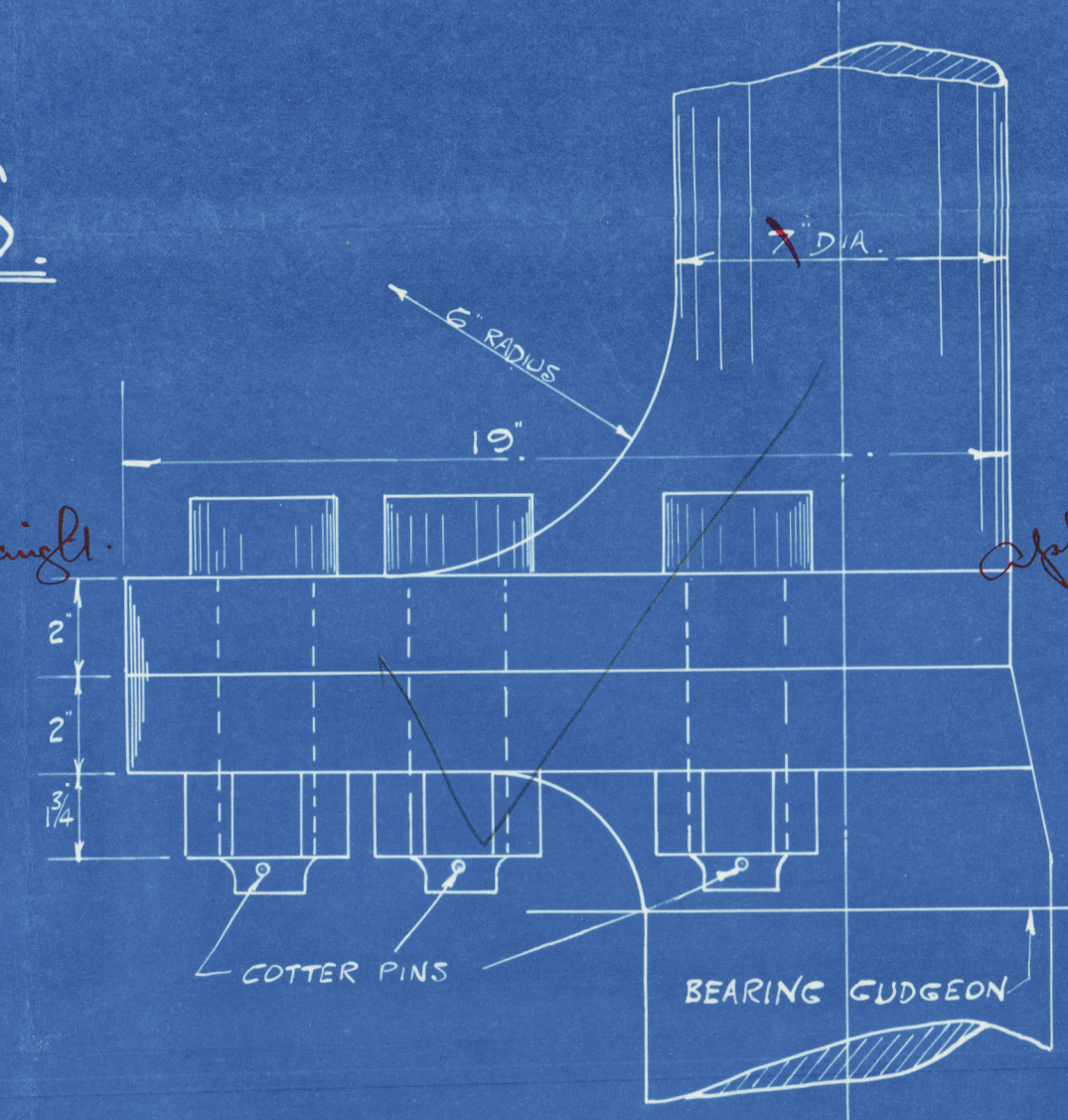
RUDDER FRAME: $\frac{5}{16}$ BRASS LINER TO BE CAST & GROOVED
GROOVES TO BE $\frac{5}{8}$ " WIDE & $\frac{1}{8}$ " DEEP. STOCK TO BE INCREASED
 $\frac{3}{4}$ " IN DIA. IN WAY OF ARMS. THE INCREASE TO BE UNIFORM &
EXTEND ABOVE AND BELOW EACH ARM EXCEPT THE BOTTOM
OF THE LOWER ARM FOR A DISTANCE OF $1\frac{1}{2}$ " & THEN TAPERED
OVER A SIMILAR DISTANCE INTO THE NORMAL DIA.

STERN FRAME: SPECIAL CARE TO BE TAKEN THAT HEIGHT OF
CENTRE OF SHAFT ABOVE BASE LINE IS CORRECT & THICKNESS OF
BOTTOM PIECE NOT EXCEEDED.

ANY ALTERATIONS MADE TO BE NOTIFIED TO
MESSRS. SMITHS DOCK CO. LTD.
KEYWAYS TO BE ACCURATELY CUT TO DIMENSIONS GIVEN.

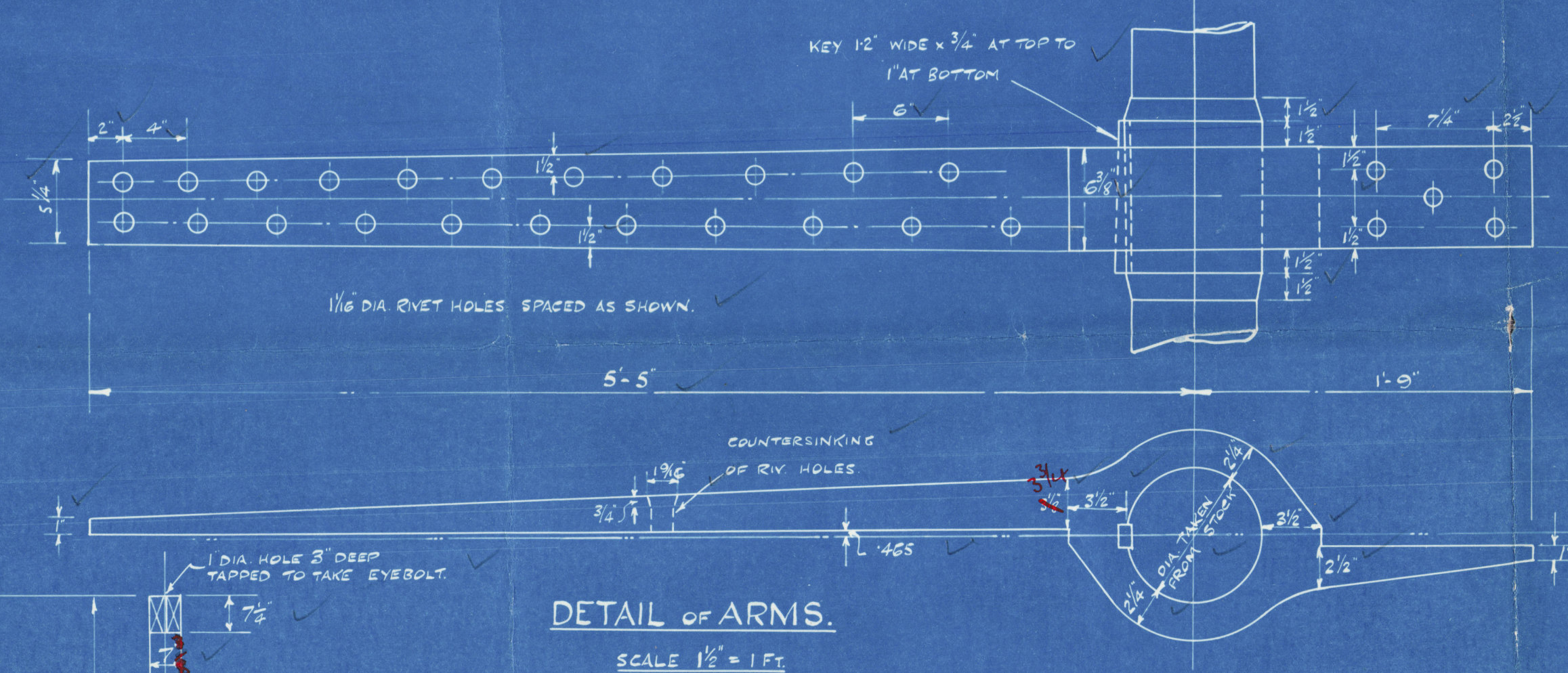
DETAIL OF COUPLING

SCALE $3" = 1 \text{ FOOT.}$



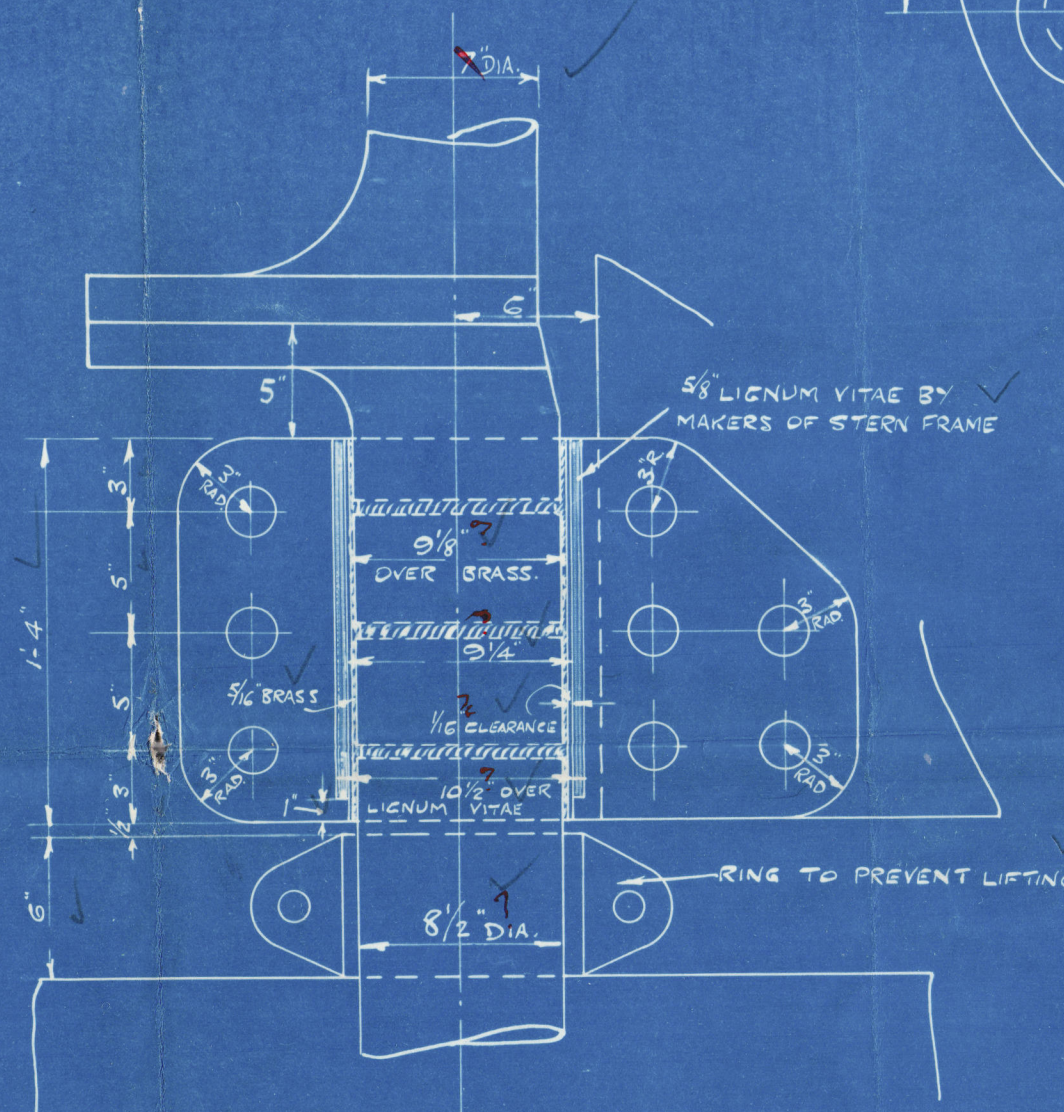
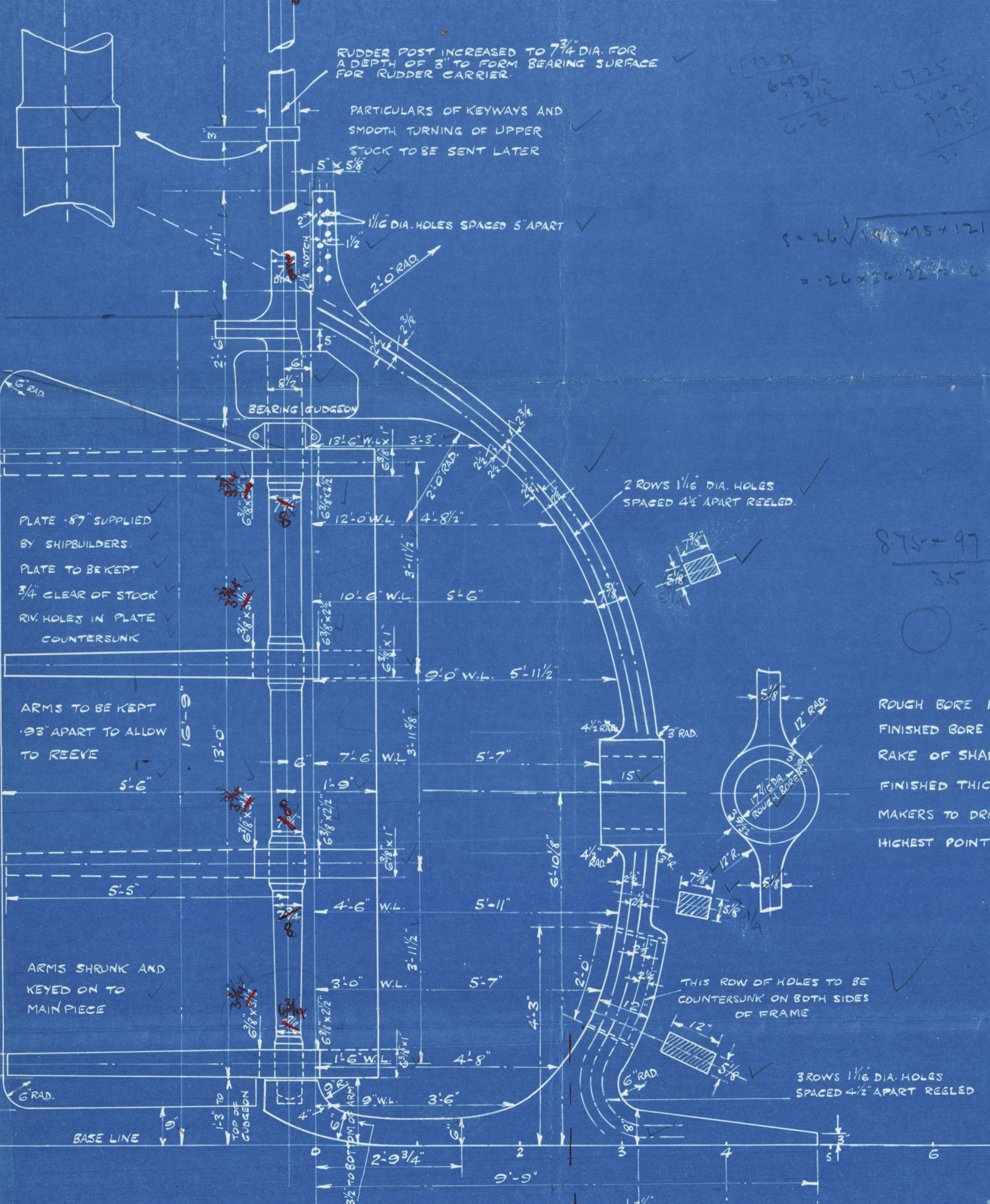
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26.10.27

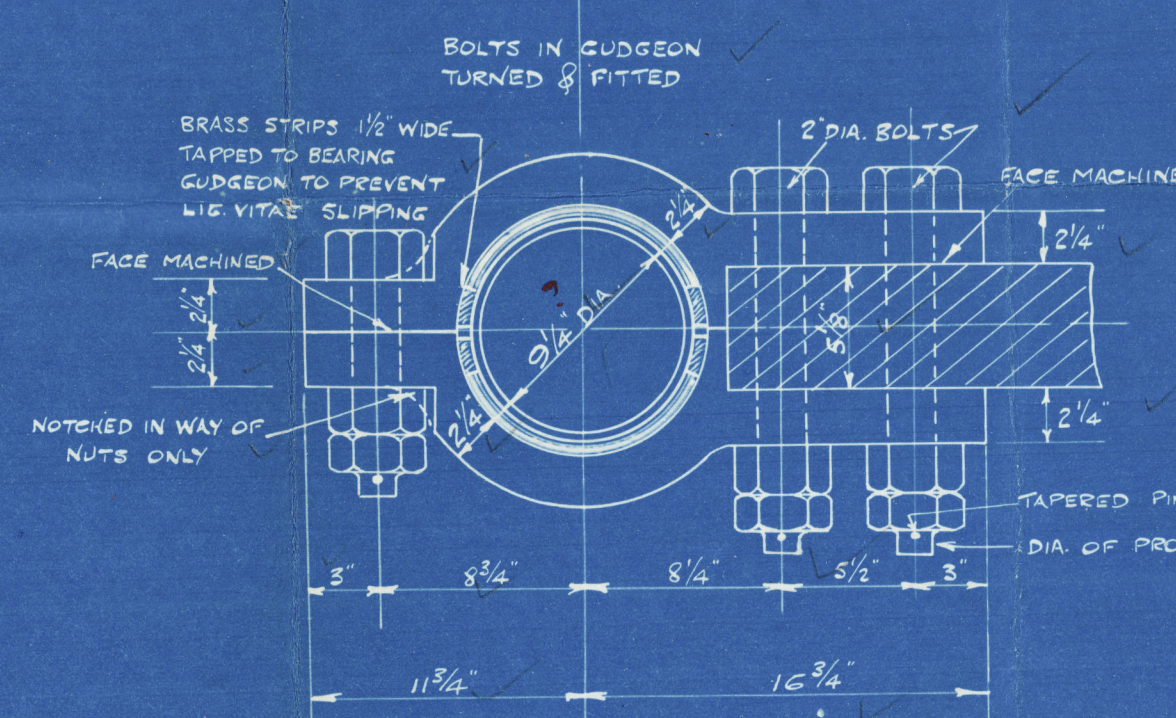
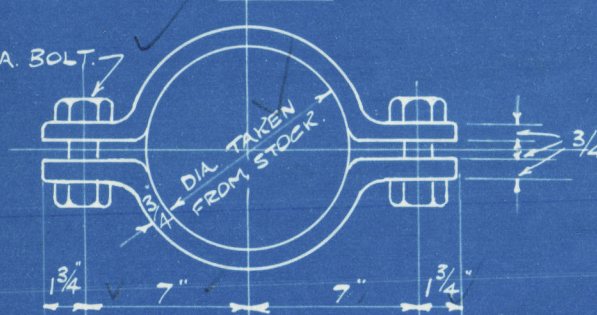


DETAIL OF ARMS.

SCALE $\frac{1}{2}" = 1 \text{ FT.}$



DETAIL OF RING TO PREVENT LIFTING

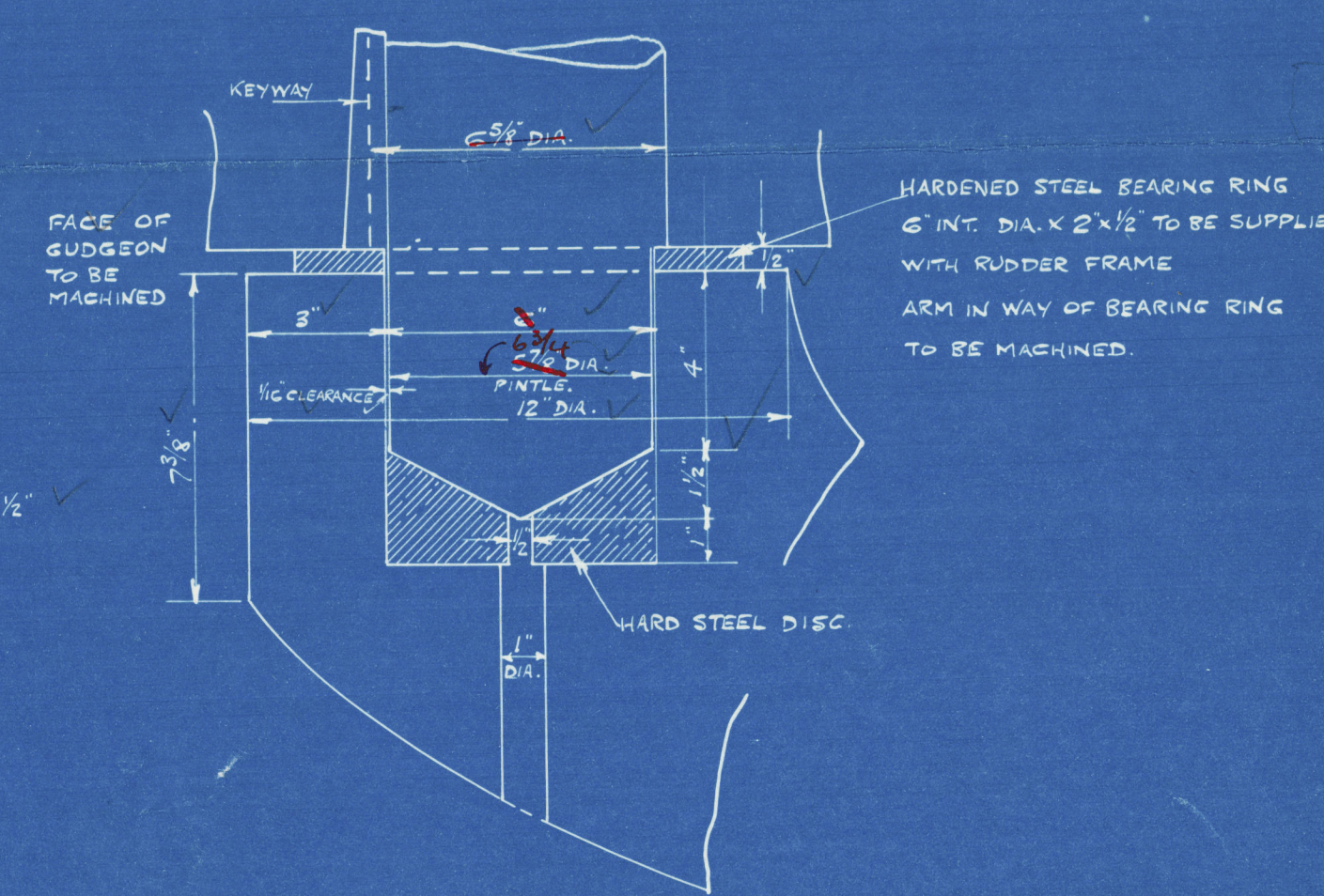
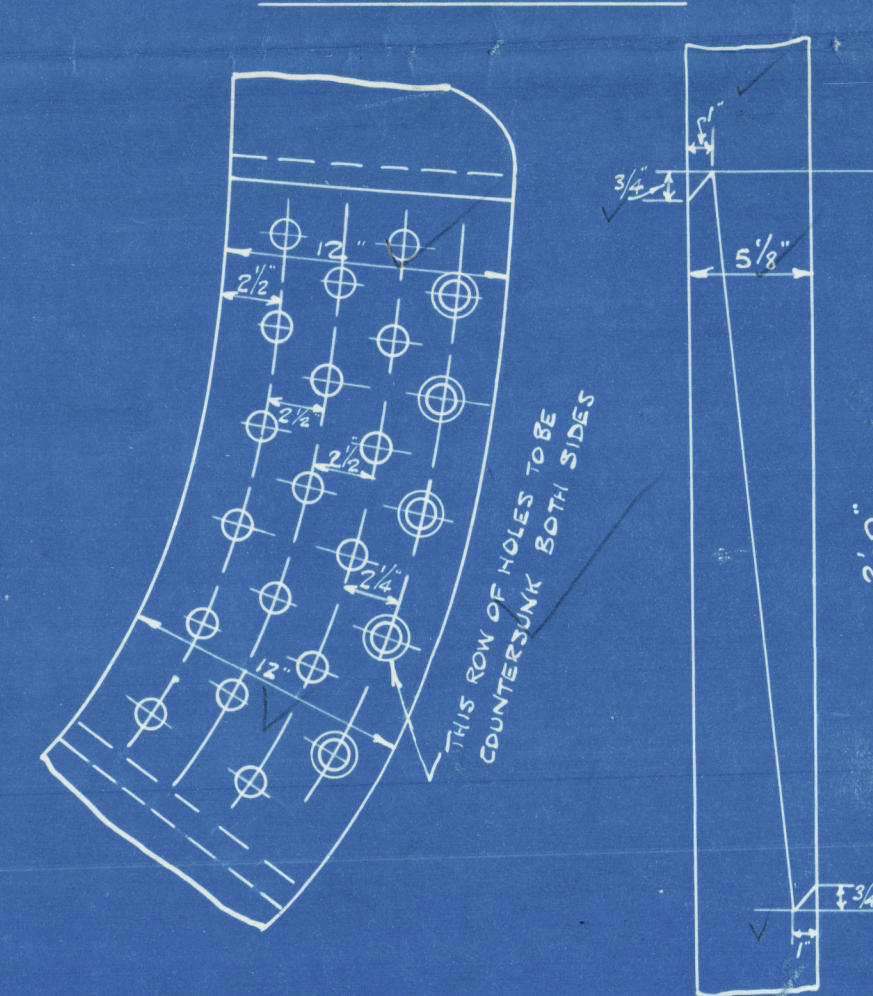


DETAIL OF BEARING AT GUDGEON

$\frac{1}{2}" = 1 \text{ FOOT.}$

DETAIL OF SCARPH

SCARPH TO BE MACHINED



DETAIL OF BOTTOM GUDGEON

004905-004905-0122